

MINISTRY OF THE INTERIOR, EGYPT

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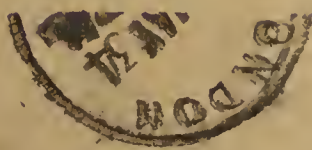
Department of Public Health

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Ophthalmic Section

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# Twentieth Annual Report of the Ophthalmic Section, for 1932



Government Press, Cairo, 1934

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# Report of the Ophthalmic Section, 1932

## Foreword

### NEW UNITS

During this year three Ophthalmic Branches were opened in the General Hospitals at Rosetta, Faqus and Gerga ; thereby the number of Ophthalmic Units reached 52 (of which 38 are permanent and 14 travelling). This number shows an increase of 3 Ophthalmic Units over that of 1931 and 30 Ophthalmic Units over that of 1921. They are shown in detail in table No. 22 page 31.

In addition the enlargement of Beni Suef Ophthalmic Hospital inpatients' section has been completed and utilized for the accommodation of more inpatients.

### OPHTHALMIC UNITS DECIDED IN THE BUDGET OF 1933-1934

1. *An Ophthalmic Hospital at Samalout at the expense of Minya Provincial Council.*

The Provincial Council paid the sum of L.E. 5,447 to the Department of Public Health, being the cost of building and equipping this hospital which will contain an accommodation for 21 inpatients. The State Buildings Department completed the necessary arrangements for starting the building very soon.

2. *Three Ophthalmic Branches at General Hospitals.*

3. *A travelling ophthalmic hospital containing an accommodation for 20 inpatients.*

### PROJECTS UNDER CONSIDERATION

Enlarging the inpatients' section at Demerdache General Hospital (Abbasiya).

### CLINICAL WORK

The following table shows the clinical work done in 1932 as compared with that of 1931 :

	1931	1932	Increase in 1932
			Per cent.
New Patients ... ..	634,088	714,551	13
In-patients ... ..	22,188	23,128	4
Operations ... ..	220,823	242,365	10
Out-patients attendances ... ..	5,023,175	5,711,654	14

### BLINDNESS

The number of patients who were found blind in one or both eyes excluding cataract cases causing blindness was 48,165 or 6.5 per cent of all patients examined at the Ophthalmic Hospitals. By adding the cataract cases causing blindness, the percentage becomes 6.9 per cent.

The pathological causes of blindness are detailed in table No. 12 where it is shown that acute ophthalmias form 80 per cent of all causes. The gonococcus is still the predominant factor of infection with acute ophthalmias—its percentage to total of microbes being 47 per cent.

## AGE OF PATIENTS

Out of 714,551 new patients treated, 42,055 or 5.88 per cent were under the age of one year, 242,742 or 33.83 per cent from one to fifteen years of age and 424,465 or 59.40 per cent from one to thirty years of age. This fact shows that the mass of people recognises the importance of seeking ophthalmic treatment for infants, children and youths.

## SCHOOL CLINICS

Ophthalmic examination, inspection and treatment are, at present, carried out at 32 Primary Government Schools. Details of ophthalmic work in schools are given in a special section at the end of this report.

10,618 pupils were examined, of whom 97 per cent were found to be suffering from trachoma in its various stages. About 39 per cent of these were in the serious stages of the disease (trachoma I & II). As a result of ophthalmic treatment, the latter percentage fell to 20 per cent. The higher percentage is due to examining the conjunctiva of pupils by the Magnifier (Zeiss Type). By this means the examining surgeon could see very fine trachoma follicles which could not easily be seen by the naked eye.

In this connection, it may be noticed that through the Government Schools, an accurate percentage, showing to what extent the trachoma is prevalent among school pupils, can be obtained. This is due to the fact that the examination and treatment are carried out in a special regular and permanent way on pupils who are always under observation of treating doctors.

Pupils of other 30 Primary Schools and Kuttabs belonging to the Provincial Councils in Markazes (Districts), where permanent or travelling ophthalmic hospitals exist, received ophthalmic treatment at hospitals.

## FINANCE

The annual cost of maintenance during the year 1932 including the cost of administration and expense of ophthalmic clinics in Primary Schools, amounted to L.E. 82,931 as shown in the detailed tables appended to this report which are significant of proper economical management. The expense per day for the outpatient was 11.38 mills. The in-patient costs in addition about 24 mills. daily for food. The sources of provision of all Ophthalmic Units are shown in table 22.

## ACCOMMODATION

The number of beds reached 1210, *i.e.*, there is an increase of 48 beds over last year ; (of these 48 beds, 34 are of the new units and 14 have been added to the old ones at Alexandria General Hospital (Ophthalmic Branch). See Table No. 20.

## POST-GRADUATE COURSE OF OPHTHALMOLOGY

During April 1932 the number of Medical Officers who underwent post-graduate teaching in Ophthalmology was 22, of these 5 were inspected in the preliminary clinical course and 2 of them passed ; 9 were inspected in the final clinical and 6 of them passed.

During October their number was 21 of whom 8 were inspected in the preliminary clinical course and they all failed ; 3 were inspected in the final clinical and they all passed. Those who failed for the first time were given another chance but those who failed for the second time were transferred to other branches of the Department.

## PROVIDING THE OPHTHALMIC HOSPITALS WITH UP-TO-DATE APPLIANCES

A Slit Lamp and Corneal Microscope has been supplied to the Ophthalmic Units at Mansourah, Beni-Suef, Zagazig, Shebîn el Kôm, Benha, Qena and Demerdache (Abbasiya).

## THE OPHTHALMOLOGICAL SOCIETY OF EGYPT

The annual meeting of this society has been held on Friday, March 10, 1933, at Giza Ophthalmic Laboratory. 62 members attended and most of these were of the Medical



Officers of the Ophthalmic Hospitals. The following are the titles of the most important communications delivered in the meeting :—

1. Dieffanbach Bûdinger operation for a case of melanotic tumour of lids.
2. An operation of advancement with shortening of muscle and no resection.
3. Cataract extraction with flap bridge.
4. Intracapsular extraction with Electro-coagulation with a newly devised electrode.
5. A discussion of the modern operative treatment for detachment of retina.
6. Recent Studies on Trachoma.
7. Clinical considerations on acute trachoma and follicular conjunctivitis.
8. The diagnostic value of Tricoire reaction in Trachoma.
9. Histopathological and Biomicroscopical difference in vascularisation in spring catarrh and Trachoma.
10. A rare case of keratitis with conjunctivitis due to a fungus (a kind of verticilium).
11. Blue Scleritocs.
12. Episcleritis and early tubercular iridocyclitis with a comment on the value of tuberculin treatment etc.
13. A case of severe bilateral papilloedema due to a tumour in the parietal region of brain with recovery of vision after operation.
14. A case of retinal oedema after quinzy.
15. Pituitary tumour, a record of few cases with pathological finding in one.
16. Ophthalmoplegia.
17. A case of juvenile chronic glaucoma.
18. Latent infection of the lachrymal duct.
19. Neurefibromatosis.
20. Analysis of cases of Proptosis.
21. Corps Etranger (Morceau de crayon implanté dans l'orbite depuis 6 mois).
22. Quelques complications oculaires de la variole.
23. The ocular complications of Measles.
24. The ocular complications of Epidemic Cerebro-Spinal Meningitis.
25. Anesthésie oculaire à la Panthesin.
26. Milk injections.
27. Ocular anaesthesia by Pantocaine.
28. Tréatment of Trachoma with :
  - (a) Hydnocreal oil and copper sulphate alternately.
  - (b) Chaulmoogra oil and copper sulphate combined.
29. Thermophore and its application in trachomatous affections of cornea and lids.
30. A case of chronic phlyctenular conjunctivitis.
31. Anomaly of central retinal vessels.
32. Cases exhibited from Kasr-el-Aini Hospital.
33. A case of tattooing of cornea with platinum chloride done early in 1930.
34. A comment on the symptomatic treatment of spring catarrh by injections of splenic extract.

#### INTERESTING CASES IN 1932

A monthly list of interesting cases seen at the various units of the section is drawn up. About 580 cases have been recorded as interesting during 1932. The following list shows some such cases that are not frequently seen in every day's work in Egypt:—

1. Leprosy of both corneas.
2. Sarcoma of L. Choroid.
3. Thrombosis of R. Central vein with 2ry Glaucoma,

4. Abscess of R. Cornea.
5. Tubercular Iritis.
6. Congenital dislocated lenses up and in with myopic fundi.
7. Bilateral rudimentary globes and secondary cystic formation.
8. Hemeralopia with hepatic cirrhosis.
9. Granuloma of the conjunctiva undergoing hyaline degeneration.
10. R. and L. Partial coloboma of the discs.
11. Cellulitis of orbit.
12. Ophthalmia neonatorum, gonococcal.
13. Double optic neuritis (septic tonsils).
14. R. Congenital A.P.C. in a mother and her baby child.
15. Retinitis and Post neuritic optic atrophy after puerperal fever.
16. Choked discs (cause basal meningitis through otitis media).
17. Hyaline degeneration of cornea.
18. Syphilitic periostitis of the roof of L. orbit with orbital cellulitis.
19. Bilateral macular degeneration (pyuria).
20. Embolism of central artery (mitral disease).
21. Blood staining of cornea and traumatic rupture of sclera.
22. Monocular myopia.
23. Partial coloboma of optic disc.
24. Fuch's coloboma in a myope and R. congenital pigment on O.D.
25. Retro Bulbar Neuritis (? cause).
26. Cyst of the Caruncle.
27. Post neuritic optic atrophy due to brain tumour.
28. Chronic cyclitis (mediastinal glands positive).
29. Spontaneous dislocation of lens in vitreous.
30. Hysterical amaurosis in the right eye after trauma.
31. Orbital abscess and cellulitis of orbit due to Carbuncle of nose.
32. Cellulitis of orbit after measles.
33. Central myopic atrophy with Fuch's spot.
34. Congenital ptosis, bilateral.
35. Hole of the macula due to injury.
36. Melanotic sarcoma of conjunctiva.
37. Streptothrix of conjunctiva.
38. Glioma retinae.
39. Syphilitic neuro retinitis with haemorrhage around macula.
40. Round cell sarcoma of orbit with metastasis in lung.
41. L. Arterio-sclerotic fundus.
42. Superficial punctate keratitis with an attack of iritis ? Rheumatic.
43. R. Subhyaloid haemorrhage due to septic focus.
44. Choroditis (through uterine sepsis).
45. Bullous Keratitis.
46. Nodules in iris (diagnosed microscopically as inflammation).
47. Subconjunctival dislocation of lens through traumatic rupture of the sclera.
48. Traumatic ptosis, mydriasis, and subluxation of lens.
49. Pseudoglioma.
50. Herpes febriles with dendritic ulcer.
51. Tabetic optic atrophy.
52. Basal cell carcinoma of lid.



53. Traumatic cataract with a stalk of a plant.
54. Congenital coloboma of iris and choroid.
55. Neuro-retinitis. Albuminuric retinal arterio-sclerosis.
56. R. Oedema of macula.
57. Post neuritic optic atrophy (general condition, cerebro-spinal syphilis).
58. Chorio-retinitis (syphilitic) with consecutive optic atrophy.
59. R. L. Corectopia.
60. L. Central punctate hyaline degeneration of cornea (trachomatous).
61. Consecutive optic atrophy and disseminated choroidal atrophy syphilitic.
62. Albuminuric retinitis.
63. R. and L. Choroidal atrophy at macula.
64. Haemorrhagic retinitis in a case of pellagra and Anaemia.
65. Transient partial paralysis of 3rd nerve after fever.
66. Hyaline degeneration of conjunctiva.
67. Pigmented nevus of limbus.
68. L. Facial Paralysis (syphilitic).
69. R. Microphthalmos, partial coloboma of iris, persistent pupillary membrane.
70. L. apparent anophthalmos.
71. Atrophy of the choroid (syphilitic).
72. Myopic macular pigmentation.
73. Pyramidal cataract.
74. Fibroangioma of lid.
75. Total Ophthalmoplegia, II, III, IV, nerves affection and VIII nerve partially affected—  
(syphilitic lesion at base of the brain).
76. Hyperplasia of the corneal epithelium (precancerous state).
77. Dermoid tumour of limbus.
78. Lipoma of orbit.
79. R. and L. Spontaneous subluxation of lens in myopic globe.
80. Acute iritis (syphilitic).
81. Albuminuric and Diabetic retinitis.
82. Episcleritis (septic focus).
83. Perivasculitis (syphilitic) of sup. temporal artery.
84. Optic neuritis (chronic sinus infection).
85. Extensive chorio retinitis with consecutive optic atrophy (?syphilitic history).
86. Diffuse chorio retinitis (? syphilitic history).
87. Retention cyst of lid.
88. Third nerve paralysis (syphilitic).
89. 6th nerve paralysis (syphilitic).
90. Post-neuritic optic atrophy, post-febrile with increased intra cranial pressure.
91. Lipodermoid tumour of conjunctiva.
92. Hyperplasia of epithelium of limbus.
93. Lamellar cataract.
94. Lymphangioma of conjunctiva.
95. Lygophthalmos from facial paralysis (syphilitic).
96. Microphthalmia.
97. Chondroma of the limbus.
98. Ophthalmia neonatorum.
99. Fly blown orbit.
100. Interstitial keratitis, (specific).



101. R. Proptosis due to frontal mucocele.
102. Cilio retinal artery.
103. Hysterical monocular diplopia.
104. Desseminated choroiditis ; cause apical abscess of teeth.
105. Fibroma of conjunctiva.
106. Irido-cyclitis, after cerebro-spinal fever.
107. Paralysis of III, IV, V, and VI Nerves.
108. Primary optic atrophy due to a cerebellar tumour.
109. High myopia, more than 20 D., & choroidal atrophy around O.D. and around macula.
110. Bulbar and Palpebral spring catarrh.
111. Diphtheritic conjunctivitis.
112. Angioma of the caruncle.
113. Syphilitic choroiditis & consecutive optic atrophy.
114. Optic atrophy (? descending primary) after cereb. spinal meningitis.
115. A typical limbic spring catarrh.
116. Spontaneous dislocation of A.P.C. in A.C.
117. Sublimate idiosyncrasy causing erysipelas like oedema of face after operation.
118. R. folliculus iridis L. Peculiar hammer-like persistent pupillary membrane.
119. R. Concussion cataract & subluxation of lens and delayed intra-ocular heomerrage.
120. Disseminated choroiditis & consecutive optic atrophy.
121. R. and L. Subluxation of lens upwards (congenital).
122. Synchysis scintillans.
123. Granuloma of the limbus.
124. Choroiditis Juxta Papillaris.
125. R. neuro-retinitic atrophy L. neuroretinitis (? due to septic teeth).
126. Streptothrix of the conjunctiva.
127. Epibulbar Epithelioma.
128. Congenital coloboma of iris.
129. Lipoma of lid.
130. Fibro-lipoma of the conjunctiva.
131. R. Buphthalmos.
132. Pigmented naevus of conjunctiva.
133. Congenital coloboma of choroid.
134. Glioma retinae.
135. Subconjunctival retention cyst.
136. Myopic chorio-retinal atrophy.
137. Membranous conjunctivitis negative for diphtheria.
138. Papilloma of conjunctiva.
139. Fibroma of conjunctiva undergoing myxomatous degeneration.
140. Total detachment of retina, traumatic (eye probably myopic).
141. R. Optic neuritis (syphilitic).
142. Syphilitic retinitis.
143. Syphilitic irido-cyclitis.
144. Fibroma of limbus.
145. Primary optic atrophy & Argyll Robertson pupil (tabes).
146. Retinitis pigmentosa with consecutive optic atrophy.
147. L. Central choroiditis (auto intoxication).
148. Opaque nerve fibres.
149. Rodent ulcer of L. Lower lid and cheek.

150. Partial coloboma of the O.D.
151. L. cyclitis, (L. antrum opaque).
152. Retinitis punctata albescens in two syphilitic brothers.
153. Congenital coloboma of choroid and iris.
154. Simple Granuloma of lid.
155. L. Traumatic chorio retinal atrophy of macular region.

TABLE I.—WORK DONE AT ALL OPHTHALMIC HOSPITALS DURING 1932.

1.—IN-PATIENTS : TOTAL NUMBER ... ..	23,128
(Number of available beds 1210)	
Number of diets issued ... ..	398,948
2. - OPERATIONS :—	
I. Major :—	
(a) Senile cataract ... ..	1,518
(b) Soft cataract ... ..	362
(c) Trichiasis or entropion ... ..	73,907
(d) Other operations ... ..	20,270
TOTAL ... ..	96,057
II. Minor (including mechanical treatment of trachoma)... ..	146,308
GRAND TOTAL, major and minor operations ... ..	242,365
3.—OUT-PATIENTS :—	
I.—Incurable (1) ... ..	2,422
II.—Postponed ... ..	21,017
III.—Tickets issued, <i>i.e.</i> new cases ... ..	714,551
IV.—Old cases ... ..	4,973,664
V.—Visits made by patients to hospital for treatment (equal I+II+III+IV)	5,711,654
VI.—Average number of visits made to hospital by each patient under regular treatment (old cases + tickets issued) ÷ tickets issued. The factor of incurable cases is neglected ... ..	7.96
VII.—Discharges :—	
(a) Cured ... ..	188,207
(b) Relieved ... ..	59,428
(c) Incurable(2)... ..	1,426
(d) Spontaneously ceased to attend after having attended only once ...	106,162
(e)         "         "         "         "         "         more than once	194,364
VIII.—Trichiasis cases seen among new out-patients :—	
(a) No previous operation having been performed ... ..	62,320
(b) Previous operation performed unsuccessfully (not at an Ophthalmic Hospital, but probably by some charlatan) ... ..	6,362
IX.—Spectacles ordered ... ..	2,046
X.—Constant wash cases (number of days of treatment) ... ..	1,129,149
XI.—Ages of patients examined :—	
Under one year ... ..	42,055
From 1 to 5 years ... ..	99,975
" 6 " 10 " ... ..	76,088
" 11 " 15 " ... ..	66,679
" 16 " 20 " ... ..	61,523
" 21 " 25 " ... ..	59,716
" 26 " 30 " ... ..	60,484
" 31 " 35 " ... ..	54,939
" 36 " 40 " ... ..	46,793
" 41 " 45 " ... ..	43,268
" 46 " 50 " ... ..	32,374
" 51 " 55 " ... ..	21,280
" 56 " 60 " ... ..	19,631
" 61 " 65 " ... ..	12,794
" 66 " 70 " ... ..	10,476
Over 70 years ... ..	6,476
TOTAL ... ..	714,551

N.B. -(1) Incurable cases do not receive tickets, but are recognized as soon as seen by the surgeon as both incurable and devoid of surgical interest.

(2) Incurable cases include those which are recognized as soon as seen by the surgeon as incurable but are given tickets for statistical or other purposes.





TABLE II.—LIST OF DISEASES (*continued*).

*Eyelids* (contd.) :—

Ectropion ... ..	1,479
Lagophthalmos ... ..	1,433
Blepharitis ... ..	50,226
Hordeolum ... ..	2,542
Wart ... ..	587
Chalazion ... ..	2,566
Eczema ... ..	851
Rodent ulcer ... ..	29
Dermoid ... ..	68
Ptoxis ... ..	431
Erysipelas ... ..	7
Herpes ... ..	106
Chancre ... ..	—
Epithelioma ... ..	5
Other tumours ... ..	27
Leucodermia ... ..	57
Injuries and abscesses ... ..	991

*Lacrimal Apparatus* :—

Lacrimal fistula ... ..	289
Stenosis of the duct ... ..	782
Dacryocystitis, acute ... ..	229
„ chronic ... ..	5,896
Cyst of lacrimal gland ... ..	77

*Cornea* :—

Ulceration, simple ... ..	35,506
„ hypopyon ... ..	1,503
„ perforation ... ..	8,849
„ special forms ... ..	519
Pannus ... ..	61,653
Keratitis, interstitial ... ..	10
„ trachomatous ... ..	2,992
Nebula or leucoma ... ..	230,617
Adherent leucoma ... ..	30,445
Totally opaque cornea ... ..	16,112
Staphyloma ... ..	5,527
Xerosis of cornea ... ..	1,153
Abscess of cornea ... ..	67
Conical cornea (congenital) ... ..	81
Keractasia ... ..	1,505
Injuries (burn, foreign bodies, etc.) ... ..	2,158

*Limbus* :—

Tumours ... ..	21
Dermoid ... ..	2
Epithelioma ... ..	12

*Iris* :—

Anterior synechia ... ..	4,611
Posterior „ ... ..	2,820
Inflammation ... ..	1,310
Iris bombé ... ..	26
Irido-dialysis ... ..	98
Congenital coloboma ... ..	37
Aniridia ... ..	6
Persistent pupillary membrane ... ..	56
Iridodonesis ... ..	420
Various ... ..	73

TABLE II.—LIST OF DISEASES (*continued*).

*Sclerotic* :—

Ciliary staphyloma ... ..	1,724
Episcleritis ... ..	24
Injuries ... ..	97

*Choroid* :—

Coloboma ... ..	11
Rupture ... ..	15
Disseminated choroiditis ... ..	8
Choroido-retinitis ... ..	24
Atrophy of choroid ... ..	93
Tumours ... ..	2
Albinismus ... ..	21

*Retina* :—

Retinitis, albuminuric and diabetic ... ..	10
„ syphilitic ... ..	5
„ pigmentosa ... ..	54
Detachment of retina ... ..	89
Embolism and thrombosis of retinal vessels ... ..	5
Glioma ... ..	8
Other conditions ... ..	11
Night blindness (in which retinitis pigmentosa is absent) ... ..	113

*Optic Nerve* :—

Neuritis ... ..	30
Atrophy ( <i>See Table III</i> ) ... ..	171
Opaque nerve fibres ... ..	11
Other conditions ... ..	6

*Lens* :—

Cataract, senile ... ..	4,365
„ soft ... ..	323
„ traumatic ... ..	133
„ lamellar ... ..	23
„ anterior polar ... ..	2,042
„ posterior „ ... ..	79
„ dislocated, traumatic ... ..	181
„ „ operative ... ..	36
„ „ congenital ... ..	4
Aphakia ... ..	1,427
Secondary cataract ... ..	279
Ectopia lentis ... ..	1

*Vitreous* :—

Opacities ... ..	186
Foreign bodies ... ..	11

*Muscles* :—

Strabismus, alternating ... ..	1,519
„ convergent ... ..	12,737
„ divergent ... ..	12,043
Heterophoria ... ..	48
Nystagmus ... ..	1,756
Paralysis ... ..	26



TABLE II.—LIST OF DISEASES (*continued*).

*Glaucoma* :—

Primary, acute ... ..	} Including absolute glaucoma caused by acute, { sub-acute or chronic glaucoma.	36
„ sub-acute ... ..		202
„ chronic ... ..		6,276
Secondary ... ..		9,581

*Globe* :—

Shrunken globe ... ..	17,320
Buphthalmos ... ..	40
Exophthalmic goitre ... ..	3
Panophthalmitis ... ..	367
Microphthalmos... ..	24
Anophthalmos ... ..	3
Injury ... ..	175

*Orbit* :—

Tumours ... ..	21
Cellulitis ... ..	20
Tenonitis ... ..	1
Periostitis ... ..	7
Injuries ... ..	12
Cyst, frontal ... ..	3
„ ethmoidal ... ..	1
Contracted socket ... ..	110
Fly-blown ... ..	24

\* Patients are considered blind who cannot count fingers at one metre.

TABLE III.—CAUSES OF OPTIC ATROPHY.

<i>Optic Atrophy</i> :—	
A. (1) Primary :—	
The spinal diseases causing the condition are :—	
G.P.I. ... ..	3
Tabes ... ..	3
Disseminated sclerosis ... ..	1
Lateral sclerosis ... ..	—
Spastic paraplegia ... ..	—
Lebers hereditary optic atrophy ... ..	—
Congenital optic atrophy ... ..	—
Unknown ... ..	11
It may also be caused by :—	
Arterio-sclerosis ... ..	7
(2) Compression of the optic chiasma or of the optic nerve by a tumour or injury by a projectile or bony fracture may produce optic atrophy of a primary type ... ..	3
(3) Retro-bulbar neuritis :—	
The acute form causes atrophy of the optic nerve, primary in type. not infrequently.	
The chronic form more rarely.	
Acute retro-bulbar neuritis. The causes are :—	
(a) Sepsis (dental, periostitis, middle ear, accessory sinuses)... ..	4
(b) Acute fevers (including syphilis and rheumatism) ... ..	20
(c) Intoxications (alcohol, lead) ... ..	—
(d) Nervous diseases (disseminated sclerosis, acute myelitis) ... ..	—
Chronic retro-bulbar neuritis may be caused by tobacco, alcohol, diabetes, iodoform, opium, etc. ... ..	3
B Post-neuritic :—	
The causes of optic neuritis, all of which may be followed by post-neuritic atrophy, are as follows :—	
(a) Sepsis (dental, periostitis, middle ear, accessory sinuses) ... ..	14
(b) Acute fevers (including syphilis and rheumatism) ... ..	79
(c) Intoxications (kidney disease and diabetes, alcohol, felixmas)... ..	5
(d) Nervous diseases : Diss. sclerosis, G.P.I., epilepsy ... ..	2
(e) Anæmia ... ..	5
(f) Unknown ... ..	11
TOTAL (equal Optic Atrophy, Table II) ...	

TABLE IV.—LIST OF OPERATIONS.

*Eyelids :—*

For trichiasis and entropion :—

Snellen's ... ..	59,974
Anagnostakis ... ..	1,060
Snellen-Anagnostakis ... ..	329
Canthoplasty ... ..	4,041
Grafting mucous membrane ... ..	7,936
Electrolysis (minor) ... ..	5,408
Excision of lash (minor) ... ..	1,221
Other operations ... ..	567

For ectropion :—

Plastic ..... ..	91
MacCallan's ... ..	4
Kenneth Scott's ... ..	1
Kuhnt's ... ..	30
Other operations ... ..	205
For ptosis ... ..	37
For symblepharon ... ..	112
For hordeolum and chalazion (minor) ... ..	3,838
Cyst removed ... ..	148
Wart excised (minor) ... ..	255
Restitching wounds (minor) ... ..	140
Opening abscesses (minor) ... ..	1,178
Various ... ..	319
Antholomy (Minor) ... ..	3

*Conjunctiva :—*

For trachoma :—

Expression or mechanical treatment (minor) ... ..	73,422
Combined excision of Heisrath ... ..	330
Post-trachomatous degeneration (minor) ... ..	56,532
Other operations } (minor) ... ..	803
Other operations } (major) ... ..	344
Pterygium ... ..	4,260

*Cornea :—*

Foreign body removed (minor) ... ..	1,703
Sæmisch's section ... ..	176
Cautery ... ..	283
Various ... ..	251
Cautery (Minor) ... ..	19

*Iris :—*

Iridectomy for adherent leucoma ... ..	5,345
„ visual ... ..	601
„ for glaucoma ... ..	981
„ preliminary for cataract ... ..	206
Cystoid cicatrix ... ..	18
Division of anterior synechia ... ..	37
Various ... ..	96

*Lacrimal Sac :—*

Excision ... ..	3,392
Various (minor) ... ..	1,786





TABLE V.—NUMBER OF NEW PATIENTS TREATED AND OPERATIONS PERFORMED  
AT ALL OPHTHALMIC HOSPITALS DURING 1932.

HOSPITALS					NUMBER OF PATIENTS	HOSPITALS					NUMBER OF OPERATIONS
Rod el Farag	...	...	...	...	57,702	Rod el Farag	...	...	...	...	17,497
No. 1, T.O.H.	...	...	...	...	48,214	Asyût	...	...	...	...	11,836
Gîza	...	...	...	...	41,195	Gîza	...	...	...	...	11,666
Asyût	...	...	...	...	26,148	Tanta	...	...	...	...	10,614
Tanta	...	...	...	...	25,424	Demerdash	...	...	...	...	9,323
Demerdash	...	...	...	...	24,717	No. 1, T.O.H.	...	...	...	...	7,932
Bani Suef	...	...	...	...	19,241	Bani Suef	...	...	...	...	7,658
Faiyûm	...	...	...	...	18,261	No. 5, T.O.H.	...	...	...	...	7,060
Alexandria	...	...	...	...	18,180	Shibîn el Kôm	...	...	...	...	6,022
Port Said	...	...	...	...	16,824	Alexandria	...	...	...	...	5,903
Shibîn el Kôm	...	...	...	...	16,785	Sohâg	...	...	...	...	5,817
Fikriya	...	...	...	...	15,868	Faiyûm	...	...	...	...	5,631
Sohâg	...	...	...	...	15,756	Maghagha	...	...	...	...	5,598
Zagazîg	...	...	...	...	15,596	No. 10, T.O.H.	...	...	...	...	5,334
Minya	...	...	...	...	15,563	Banha	...	...	...	...	5,290
Banha	...	...	...	...	14,457	No. 4, T.O.H.	...	...	...	...	5,012
No. 5, T.O.H.	...	...	...	...	14,073	Zagazîg	...	...	...	...	5,011
Damanhûr	...	...	...	...	13,401	No. 6, T.O.H.	...	...	...	...	4,987
Matarîya	...	...	...	...	13,339	Asyût, P.C., T.O.H.	...	...	...	...	4,927
Maghagha	...	...	...	...	13,265	Ashmûn	...	...	...	...	4,682
Mallawi	...	...	...	...	12,974	No. 7, T.O.H.	...	...	...	...	4,657
Mansûra	...	...	...	...	12,425	Mansûra	...	...	...	...	4,635
No. 9, T.O.H.	...	...	...	...	12,098	Port Said	...	...	...	...	4,463
Asyût, P.C., T.O.H.	...	...	...	...	11,365	No. 3, T.O.H.	...	...	...	...	3,876
Mahalla el Kubra	...	...	...	...	10,539	No. 9, T.O.H.	...	...	...	...	3,857
Minûf	...	...	...	...	10,515	Luxor	...	...	...	...	3,852
Suez	...	...	...	...	10,281	Mallawi	...	...	...	...	3,815
No. 4, T.O.H.	...	...	...	...	10,257	Minya	...	...	...	...	3,743
Gharbiya, P.C., T.O.H.	...	...	...	...	9,965	No. 8, T.O.H.	...	...	...	...	3,721
No. 6, T.O.H.	...	...	...	...	9,834	Matarîya	...	...	...	...	3,530
No. 7, T.O.H.	...	...	...	...	9,802	El Fikriya	...	...	...	...	3,459
Damietta	...	...	...	...	9,667	Qena	...	...	...	...	3,390
No. 11, T.O.H.	...	...	...	...	9,573	Gharbiya P.C., T.O.H.	...	...	...	...	3,289
No. 8, T.O.H.	...	...	...	...	9,381	Kafr el Zaiyât	...	...	...	...	3,230
No. 10, T.O.H.	...	...	...	...	9,277	Minûf	...	...	...	...	3,115
Ashmûn	...	...	...	...	9,271	Esna	...	...	...	...	3,025
Mit Ghamr	...	...	...	...	9,180	No. 2, T.O.H.	...	...	...	...	2,964
Luxor	...	...	...	...	8,851	Mahalla el Kubra	...	...	...	...	2,942
Taieba	...	...	...	...	8,735	Damietta	...	...	...	...	2,920
Qena	...	...	...	...	8,723	Mit Ghamr	...	...	...	...	2,859
Santa	...	...	...	...	8,292	Daqahliya, P.C., T.O.H.	...	...	...	...	2,844
Asswân	...	...	...	...	8,242	No. 11, T.O.H.	...	...	...	...	2,829
Daqahliya, P.C., T.O.H.	...	...	...	...	7,935	Disûk	...	...	...	...	2,749
Disûk	...	...	...	...	7,874	Damanhour	...	...	...	...	2,659
No. 3, T.O.H.	...	...	...	...	7,796	Barrîm	...	...	...	...	2,563
Berrâim	...	...	...	...	6,324	Asswân	...	...	...	...	2,346
Kafr el Zaiyât	...	...	...	...	6,183	Santa	...	...	...	...	2,250
Esna	...	...	...	...	5,485	Suez	...	...	...	...	2,215
No. 2, T.O.H.	...	...	...	...	4,769	Taieba	...	...	...	...	1,564
Girga	...	...	...	...	1,989	Rasheed	...	...	...	...	414
Fackous	...	...	...	...	1,673	Girga	...	...	...	...	400
Rasheed	...	...	...	...	1,267	Fackous	...	...	...	...	390

Number of working months :—

	Months	Days
Rasheed (opened on November 16, 1932)	1	15
Fackous ( " " " )	1	15
Girga ( " " " )	1	15
No. 3, T.O.H.	10	37
Asyût P.C., T.O.H.	11	4
Gharbiya P.C., T.O.H.	11	13
" 2, T.O.H.	11	15
No. 4, T.O.H.	11	15
" 7, T.O.H.	11	16
" 8, T.O.H.	11	16
" 6, T.O.H.	11	17
" 9, T.O.H.	11	17
" 11, T.O.H.	11	17
Daqahliya P.C., T.O.H.	11	20
Other Ophthalmic Hospitals	12	



TABLE VI.—AVERAGE NUMBER OF OPERATIONS PER MONTH AT ALL  
OPHTHALMIC HOSPITALS DURING 1932.

MAJOR OPERATIONS.						MINOR OPERATIONS.					
HOSPITALS.						HOSPITALS.					
Rod el Farag	...	...	...	...	...	602	Rod el Farag	...	...	...	856
Tanta	...	...	...	...	...	393	Asyût	...	...	...	607
Asyût	...	...	...	...	...	379	Gîza	...	...	...	593
Gîza	...	...	...	...	...	379	Tanta	...	...	...	492
Demerdash	...	...	...	...	...	334	Demerdash	...	...	...	443
No. 5, T.O.H.	...	...	...	...	...	283	Bani Suef	...	...	...	431
No. 1, T.O.H.	...	...	...	...	...	245	No. 1, T.O.H.	...	...	...	416
Sohâg	...	...	...	...	...	243	Maghagha	...	...	...	333
Faiyûm...	...	...	...	...	...	220	No. 4, T.O.H.	...	...	...	324
Bani Suef	...	...	...	...	...	207	No. 5, T.O.H.	...	...	...	306
Shibîn el Kôm	...	...	...	...	...	202	Alexandria	...	...	...	306
Zagazîg	...	...	...	...	...	197	Shibîn el Kôm	...	...	...	300
Alexandria	...	...	...	...	...	183	No. 6, T.O.H.	...	...	...	299
No. 7, T.O.H.	...	...	...	...	...	166	Asyût P.C., T.O.H.	...	...	...	296
Banha	...	...	...	...	...	164	No. 10, T.O.H.	...	...	...	283
No. 10, T.O.H.	...	...	...	...	...	161	Ashmûn	...	...	...	280
Fikriya	...	...	...	...	...	152	Banha	...	...	...	277
Asyût P.C., T.O.H.	...	...	...	...	...	152	Port Said	...	...	...	266
No. 9, T.O.H.	...	...	...	...	...	149	Faiyûm	...	...	...	250
No. 11, T.O.H.	...	...	...	...	...	146	Sohâg	...	...	...	242
Mallawi...	...	...	...	...	...	136	No. 7, T.O.H.	...	...	...	239
No. 6, T.O.H.	...	...	...	...	...	134	No. 3, T.O.H.	...	...	...	228
Maghagha	...	...	...	...	...	134	Zagazîg	...	...	...	220
Esna	...	...	...	...	...	130	No. 8, T.O.H.	...	...	...	201
No. 3, T.O.H.	...	...	...	...	...	125	Luxor	...	...	...	201
Qena	...	...	...	...	...	123	Minya	...	...	...	199
Fackous...	...	...	...	...	...	123	Mansûra	...	...	...	188
No. 8, T.O.H.	...	...	...	...	...	122	No. 9, T.O.H.	...	...	...	186
Luxor	...	...	...	...	...	120	Matariya	...	...	...	185
Girga	...	...	...	...	...	118	Rasheed	...	...	...	183
Mansûra	...	...	...	...	...	115	Mallawi...	...	...	...	182
Mit Ghamr	...	...	...	...	...	114	Gharbiya P.C., T.O.H.	...	...	...	177
Kafr el Zaiyât	...	...	...	...	...	114	Damietta	...	...	...	166
Minya	...	...	...	...	...	113	Minûf	...	...	...	166
No. 4, T.O.H.	...	...	...	...	...	111	Qena	...	...	...	160
Ashmûn	...	...	...	...	...	110	No. 2, T.O.H.	...	...	...	155
Gharbiya P.C., T.O.H.	...	...	...	...	...	109	Kafr el Zaiyât	...	...	...	155
Matariya	...	...	...	...	...	109	Daqahliya P.C., T.O.H.	...	...	...	152
Port Said	...	...	...	...	...	106	Mahalla el Kubra	...	...	...	151
No. 2, T.O.H.	...	...	...	...	...	103	Girga	...	...	...	149
Damanhûr	...	...	...	...	...	103	Barrîm	...	...	...	143
Mahalla el Kubra	...	...	...	...	...	94	Disûk	...	...	...	142
Minûf	...	...	...	...	...	94	Suez	...	...	...	140
Rasheed	...	...	...	...	...	93	Fikriya	...	...	...	137
Daqahliya, P.C., T.O.H.	...	...	...	...	...	91	Fackous...	...	...	...	137
Disûk	...	...	...	...	...	87	Asswân	...	...	...	130
Damietta	...	...	...	...	...	78	Mit Ghamr	...	...	...	124
Santa	...	...	...	...	...	75	Esna	...	...	...	122
Barrîm	...	...	...	...	...	71	Damanhûr	...	...	...	118
Asswân	...	...	...	...	...	65	Santa	...	...	...	112
Taieba	...	...	...	...	...	60	No. 11, T.O.H.	...	...	...	100
Suez	...	...	...	...	...	45	Taieba	...	...	...	70



TABLE VII.—NEW PATIENTS TREATED ACCORDING TO THE AGE  
AT WHICH THEY SOUGHT TREATMENT.

AGE											NO. OF PATIENTS
Under one year	...	...	...	...	...	...	...	...	...	...	42,055
From 1 to 5 years	...	...	...	...	...	...	...	...	...	...	99,975
„ 6 to 10	„	...	...	...	...	...	...	...	...	...	76,088
„ 11 to 15	„	...	...	...	...	...	...	...	...	...	66,679
„ 16 to 20	„	...	...	...	...	...	...	...	...	...	61,523
„ 21 to 25	„	...	...	...	...	...	...	...	...	...	59,716
„ 26 to 30	„	...	...	...	...	...	...	...	...	...	60,484
„ 31 to 35	„	...	...	...	...	...	...	...	...	...	54,939
„ 36 to 40	„	...	...	...	...	...	...	...	...	...	46,793
„ 41 to 45	„	...	...	...	...	...	...	...	...	...	43,268
„ 46 to 50	„	...	...	...	...	...	...	...	...	...	32,374
„ 51 to 55	„	...	...	...	...	...	...	...	...	...	21,280
„ 56 to 60	„	...	...	...	...	...	...	...	...	...	19,831
„ 61 to 65	„	...	...	...	...	...	...	...	...	...	12,794
„ 66 to 70	„	...	...	...	...	...	...	...	...	...	10,476
Over 70 years	...	...	...	...	...	...	...	...	...	...	6,476
TOTAL											714,551

TABLE VIII.—NEW PATIENTS TREATED PER MONTH.

MONTHS																		No. OF PATIENTS
January	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24,608
February	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	26,898
March	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	45,228
April	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	47,132
May	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	68,338
June	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	77,263
July	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	79,581
August	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	77,770
September	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	71,776
October	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	80,124
November	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	69,156
December	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	46,677
TOTAL																		714,551

TABLE X.—AVERAGE TEMPERATURE.

The average temperature was arrived at by taking one place in Lower Egypt (Gemeiza), one place in Cairo (Gîza), and one place in Upper Egypt (Asyût) and obtaining an average figure from the mean temperature at each place on each month. This is shown in the following table, the reading being in degrees Centigrade.

MONTH	GEMBEIZA	GÎZA	ASYÛT	AVERAGE
January ... ..	10·8	11·3	11·4	11·2
February... ..	11·8	12·4	13·4	12·5
March ... ..	14·4	15·8	17·2	15·8
April... ..	17·2	18·5	21·6	19·1
May ... ..	20·6	22·2	25·1	22·6
June ... ..	24·9	26·2	29·0	26·7
July ... ..	26·9	27·8	30·3	28·3
August ... ..	26·4	27·0	28·8	27·4
September ... ..	24·5	24·9	27·0	25·5
October ... ..	23·0	23·8	25·1	24·0
November ... ..	17·8	18·0	18·8	18·2
December... ..	12·7	12·6	12·8	12·7

TABLE XI.—SYNOPSIS OF WORK AT ALL OPHTHALMIC HOSPITALS SINCE 1929.

	1929	1930	1931	1932
<i>Hospitals in existence :—</i>				
Travelling ... ..	14	14	14	14
Permanent ... ..	31	32	35	38
New patients treated ... ..	461,481	526,406	634,088	714,551
Total attendances of out-patients ... ..	4,242,241	4,350,062	5,023,175	5,711,654
Operations performed... ..	195,943	209,662	220,823	242,365
In-patients ... ..	16,890	20,136	22,188	23,128
<i>Details :—</i>				
Patients examined ... ..	479,932	539,318	852,338	737,990
Patients regularly treated ... ..	461,481	526,406	634,088	714,551
Incurable cases ... ..	5,715	5,124	5,340	3,848
Blind in one eye ... ..	31,993	36,021	38,433	40,215
„ both eyes ... ..	8,697	9,513	9,489	10,740
Trichiasis cases examined ... ..	65,756	64,534	68,936	68,682
„ eyes operated on and cured ... ..	68,105	73,290	73,285	73,907

TABLE XII.—CAUSES OF BLINDNESS

A.—Congenital ... ..	3
B.—Acquired :—	
I.—Conjunctivitis resulting in :—	
(a) Total corneal opacity ... ..	16,112
(b) Shrunken globe ... ..	17,320
(c) Secondary glaucoma ... ..	8,232
(d) Other conditions ... ..	1,610
II.—Fundus :—	
(a) Optic atrophy ... ..	150
(b) Optic neuritis... ..	19
(c) Retinitis pigmentosa ... ..	41
(d) Detachment of retina ... ..	63
(e) Other diseases of fundus ... ..	205
III.—Glaucoma, primary :—	
(a) Monocular (including absolute 2315) ... ..	3,007
(b) Binocular ( „ „ 1575) ... ..	2,290
IV.—Injury ... ..	349
V.—Operation ... ..	40
VI.—Infectious diseases ... ..	27
VII.—Iritis endogenous ... ..	466
VIII.—Various ... ..	1,181
<hr/>	
Total excluding cataract cases ... ..	51,116
Cataract Cases ... ..	2,790
<hr/>	
TOTAL ... ..	53,905



TABLE XIII.—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES SINCE 1929.

	1929	1930	1931	1932
	Per Cent.	Per Cent.	Per Cent.	Per Cent.
<i>Permanent Ophthalmic Hospitals :—</i>				
Tanta ... ..	5.93	5.79	4.56	4.33
Asyût ... ..	9.66	7.71	7.72	9.82
Mansûra ... ..	10.52	11.45	11.16	8.30
Bani Suef ... ..	12.21	11.74	11.42	12.10
Zagazîg ... ..	9.47	9.27	7.60	7.72
Damanhûr ... ..	7.49	6.86	6.72	6.89
Shibîn el Kôm ... ..	4.99	4.40	6.01	4.95
Sohâg ... ..	16.27	15.86	13.63	13.83
Minya ... ..	17.90	17.23	13.57	12.92
Faiyûm ... ..	10.39	10.09	9.90	9.60
Banha ... ..	5.51	9.19	7.63	6.30
Alexandria ... ..	5.07	4.52	4.85	5.04
Port Said ... ..	4.23	3.43	4.63	3.53
Qena... ..	15.93	14.96	7.18	5.97
Damietta ... ..	4.65	3.75	3.42	4.11
Giza ... ..	6.66	6.73	5.52	5.45
Suez ... ..	4.23	4.72	4.97	4.23
Barrîm... ..	7.58	5.61	8.33	7.61
Mallawi ... ..	3.17	3.53	3.19	2.55
Mît Ghamr... ..	6.33	5.38	8.38	7.36
Maghagha ... ..	8.40	7.84	7.92	7.44
Fikriya ... ..	9.29	6.27	5.02	4.11
Asswân ... ..	9.99	7.07	6.41	8.69
Rod el Farag ... ..	8.20	8.14	4.97	4.85
Taieba ... ..	5.45	5.40	3.94	4.67
Esna ... ..	11.56	14.63	10.14	9.72
Disûk ... ..	—	12.69	10.51	10.19
Demerdash... ..	—	—	3.86	3.84
Matarîya ... ..	—	—	4.50	3.99
Luxor... ..	—	—	3.46	11.26
Rasheed ... ..	—	—	—	7.33
Fakous ... ..	—	—	—	6.83
Girga ... ..	—	—	—	8.70
Mahalla el Kubra ... ..	7.42	7.13	6.56	5.68
Kafr el Zaiyât ... ..	5.45	5.08	5.17	5.21
Santa ... ..	4.27	4.54	3.93	3.90
Minûf ... ..	7.35	6.97	4.48	4.24
Ashmûn ... ..	6.94	8.11	7.87	7.29
<i>Travelling Ophthalmic Hospitals :—</i>				
No. 1, Travelling :—				
Abbassîa ... ..	10.66	10.57	—	—
Kalaa ... ..	—	10.72	10.50	10.30
No. 2, Travelling :—				
Itay el Barûd ... ..	8.00	—	—	—
Abu Hommos ... ..	14.26	—	—	—
Kafr el Dawâr ... ..	—	6.54	—	—
Delingat ... ..	—	—	11.26	—
Abul Matamîr ... ..	—	—	16.80	15.39
Mahmoudia ... ..	—	—	—	8.26
No. 3, Travelling :—				
Idfû ... ..	14.18	13.22	11.63	8.21
Kom Ombo... ..	11.77	14.02	7.44	6.04
Daraw ... ..	—	—	—	5.89

TABLE XIII (contd).—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES.

	1929	1930	1931	1932
	Per Cent.	Per Cent.	Per Cent.	
No. 4, Travelling:—				
Minya el Kamh ... ..	10·20	—	—	—
Hihia ... ..	9·14	—	—	—
Abu Kebir ... ..	14·90	10·40	—	—
Fakous ... ..	—	10·08	8·03	—
Ismailia ... ..	—	—	8·27	7·67
Bilbeis ... ..	—	—	—	9·49
No. 5. Travelling:—				
Girga ... ..	7·88	10·81	—	—
Tahta .. ...	—	12·05	13·82	—
Baliana... ..	—	—	11·19	9·98
Akhmîm ... ..	10·00	—	—	—
No. 6. Travelling:—				
Quesna ... ..	—	9·88	7·29	—
Tala ... ..	8·94	—	9·05	7·39
Berket el Sab ... ..	—	7·89	—	—
El Shouhada ... ..	—	—	—	4·06
No. 7. Travelling:—				
Biba ... ..	—	6·49	7·42	—
Sinnouris ... ..	13·73	—	6·12	8·69
El Wasta ... ..	6·13	—	—	9·71
Abu Ksah ... ..	6·82	7·96	—	—
No. 8. Travelling:—				
Samallut ... ..	—	8·99	8·84	8·37
El Fashn ... ..	10·86	—	—	—
Matay ... ..	10·31	10·17	—	—
Bani Mazar ... ..	—	—	8·63	7·37
No. 9. Travelling:—				
Embaba ... ..	9·22	—	—	—
Ayat ... ..	5·28	6·50	7·49	—
El Saff ... ..	—	6·57	5·35	—
El Hawamdiya ... ..	—	—	2·93	6·38
Oseem ... ..	—	—	—	1·94
No. 10. Travelling:—				
Nag' Hammadi... ..	10·84	—	11·03	6·94
Kous ... ..	16·30	—	—	—
Dishna ... ..	11·71	16·11	—	—
Luxor ... ..	—	13·60	17·65	—
No. 11. Travelling:—				
Shebîn el Qanater ... ..	9·01	—	—	4·42
Toukh .. ...	8·48	7·50	4·22	—
El Kanater el Khairiya ... ..	—	—	5·10	6·44
Asyût Provincial Council:—				
Manfalût ... ..	11·16	10·17	6·44	5·68
Dairût ... ..	—	9·50	—	1·33
Abnûb ... ..	10·80	—	9·88	—
Abu Tîg ... ..	13·04	—	9·07	—
Badâri ... ..	—	11·06	—	7·71
Deir Moas ... ..	—	10·07	9·40	—

TABLE XIII (*contd.*).—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES.

	1929	1930	1931	1932
	Per Cent.	Per Cent.	Per Cent.	Per Cent.
Daqahlîya Provincial Council:—				
Aga ... ..	—	6·82	6·79	4·38
Simbillâwein ... ..	8·40	—	7·17	4·90
Manzala ... ..	7·70	—	—	—
Diarb Nigm ... ..	7·75	7·63	—	—
Dikirnis ... ..	—	—	7·42	—
Gharbîya Provincial Council:—				
Zifta ... ..	—	—	—	9·37
Shirbîn ... ..	—	—	—	6·25
Fowa ... ..	6·10	—	—	—
Basioun ... ..	6·25	5·90	—	—
Belkas ... ..	—	5·77	—	—
Kallîn ... ..	—	5·81	6·09	—
Kafr el Sheikh ... ..	—	—	5·74	6·08

N.B.—It is noticed in this table that the percentage of blindness varies in one hospital in different years. This is most probably due to several reasons, the important of which are : that the same blind patient might have visited the same hospital several times, that the patient might have visited several hospitals, that the surgeons of the same hospital are changed and also due to the amount of care exercised in booking these cases.



TABLE XIV.—BLINDNESS AMONG OUT-PATIENTS SINCE 1909.

YEAR.	TOTAL NUMBER OF PATIENTS EXAMINED.	ONE EYE INCLUDING CATARACT CASES.		BOTH EYES INCLUDING CATARACT CASES.		ONE EYE AND BOTH EYES INCLUDING CATARACT CASES.		ONE EYE EXCLUDING CATARACT CASES.		BOTH EYES EXCLUDING CATARACT CASES.		ONE EYE AND BOTH EYES EXCLUDING CATARACT CASES.	
		Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1909	...	2,116	9.4	1,385	6.1	3,501	15.6	—	—	—	—	—	—
1910	...	2,483	9.5	2,010	7.8	4,448	17.4	—	—	—	—	—	—
1911	...	3,196	10.2	2,811	8.9	6,007	19.2	—	—	—	—	—	—
1912	...	4,115	9.4	2,824	6.4	6,939	15.2	—	—	—	—	—	—
1913	...	5,360	8.6	3,878	6.2	9,238	14.8	—	—	—	—	—	—
1914	...	6,425	8.5	3,591	4.7	10,016	13.2	—	—	—	—	—	—
1915	...	5,637	7.8	2,992	4.2	8,629	12.0	—	—	—	—	—	—
1916	...	7,042	7.4	3,504	3.7	10,546	11.2	—	—	—	—	—	—
1917	...	9,385	9.3	4,611	4.6	13,996	13.9	—	—	—	—	—	—
1918	...	8,969	9.9	4,261	4.7	13,230	14.6	—	—	—	—	—	—
1919	...	8,537	10.2	4,278	5.1	12,815	15.3	—	—	—	—	—	—
1920	...	9,833	9.1	5,154	4.7	14,987	13.8	—	—	—	—	—	—
1921	...	10,566	8.3	5,053	3.9	15,619	12.2	—	—	—	—	—	—
1922	...	12,524	8.5	4,850	3.3	17,374	11.8	—	—	—	—	—	—
1923	...	14,394	8.3	5,146	2.9	19,540	11.2	—	—	—	—	—	—
1924	...	16,535	8.0	5,716	2.8	22,251	10.8	—	—	—	—	—	—
1925	...	19,422	7.9	6,137	2.5	25,569	10.4	—	—	—	—	—	—
1926	...	21,979	7.7	6,702	2.6	28,681	10.1	—	—	—	—	—	—
1927	...	26,591	7.4	8,689	2.4	35,280	9.8	—	—	—	—	—	—
1928	...	28,816	7.2	8,592	2.1	37,408	9.3	—	—	—	—	—	—
1929	...	31,893	6.6	8,697	1.8	40,590	8.4	—	—	—	—	—	—
1930	...	36,021	6.6	9,513	1.7	45,534	8.4	—	—	—	—	—	—
1931	...	38,433	5.9	9,489	1.4	47,922	7.3	—	—	—	—	44,851	6.9
1932	...	40,215	5.4	10,740	1.5	50,955	6.9	36,945	5.0	11,220	1.5	48,165	6.5
TOTAL	...	370,442	7.2	130,623	2.5	501,065	9.7	—	—	—	—	—	—

N.B.—The definition of blindness adopted here is that proposed by Trousseau, that is to say, inability to count fingers held up at a distance of one metre.

TABLE XV.—YEARLY PERCENTAGE OF BLINDNESS AMONG  
OPHTHALMIC HOSPITAL PATIENTS SINCE 1909.

YEAR	Per Cent of Blindness in one or both Eyes in- cluding cataract cases	Per cent exclud- ing Blindness from cataract cases	YEAR	Per Cent of Blindness in one or both Eyes in- cluding cataract cases	Per cent exclud- ing Blindness from cataract cases
1909 ... ..	15.6	—	1921 ... ..	12.2	—
1910 ... ..	17.4	—	1922 ... ..	11.8	—
1911 ... ..	19.2	—	1923 ... ..	11.2	—
1912 ... ..	15.2	—	1924 ... ..	10.8	—
1913 ... ..	14.8	—	1925 ... ..	10.4	—
1914 ... ..	13.2	—	1926 ... ..	10.1	—
1915 ... ..	12.0	—	1927 ... ..	9.8	—
1916 ... ..	11.2	—	1928 ... ..	9.3	—
1917 ... ..	13.9	—	1929 ... ..	8.4	—
1918 ... ..	14.6	—	1930 ... ..	8.4	—
1919 ... ..	15.3	—	1931 ... ..	7.3	6.9
1920 ... ..	13.8	—	1932 ... ..	6.9	6.5

N.B.—The definition of blindness adopted here is that proposed by Trousseau, that is to say, inability to count fingers held up at a distance of one metre.

TABLE XVI.—PRIMARY GLAUCOMA.

Acute ... ..	36
Sub-acute ... ..	202
Chronic ... ..	6,276
TOTAL ... ..	6,514
Total number of patients examined ... ..	737,990
Per cent of glaucoma cases ... ..	0.88
Per cent of absolute glaucoma cases ... ..	0.55
Operations :—	
Iridectomy ... ..	981
Trephine with iridectomy ... ..	1,107

\* Including 4040 absolute monocular and binocular.

INCIDENCE OF PRIMARY GLAUCOMA SINCE 1922.

Varieties	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932
Acute ... ..	39	25	47	30	32	56	37	53	50	82	36
Subacute ... ..	97	119	87	144	184	162	326	261	295	183	202
Chronic ... ..	2,376	3,872	2,977	3,087	3,401	3,916	4,320	5,050	6,390	5,552	6,276
TOTAL ... ..	2,512	3,013	3,111	3,261	3,617	4,140	4,683	5,364	6,725	5,817	6,514
TOTAL number of patients examined ... ..	147,492	174,004	206,342	246,771	283,602	361,577	401,530	479,932	539,318	652,338	737,990
Per cent of glaucoma cases ... ..	1.70	1.73	1.51	1.32	1.27	1.14	1.16	1.12	1.25	0.89	0.88
Per cent of absolute glaucoma cases ... ..	1.33	1.23	0.77	0.68	0.76	0.68	0.68	0.62	0.70	0.53	0.55
Operations :											
Iridectomy ... ..	466	503	450	753	668	588	877	959	1,101	1,030	981
Trephining with iridectomy ... ..	503	643	908	991	1,073	954	1,190	1,196	1,144	1,093	1,107

\* Including absolute monocular and binocular.

† It is remarkable here that the percentage of primary glaucoma cases mentioned above fell from I. 70 in 1922 to 0.88 in 1932. This is of great significance and it will be always considered in future.



TABLE XVII.—PATHOLOGICAL REPORT.

(Kindly supplied by the Director of the Memorial Ophthalmic Laboratory, Gîza)  
Tissues hardened, Sections cut and examined Microscopically during 1932.

[illegible]

TABLE XVII.—PATHOLOGICAL REPORT (*continued*).

<i>Panophthalmitis</i> :—																			
Exogenous	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Endogenous	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
<i>Phthisis Bulbi</i> :—																			
Cause undetermined	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15
Post-operative	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
<i>Fly-Blown Orbit</i>	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
<i>Unclassified</i>	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
<i>Undetermined</i>	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13
<i>Examination of Cells</i> :—																			
Eosinophilia :—																			
Positive	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	128
Negative	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	62
<i>Other Animals</i> :—																			
(Horses, mules and donkeys) :—																			
Diseased	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
GRAND TOTAL...																	...	...	662

TABLE XVIII.—WASSERMANN TEST.

Positive	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	199
Doubtful	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17
Negative	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1111
Unfit	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	70
Anticomplementary	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
TOTAL...																	...	...	1404

TABLE XIX.—RESULT OF EXAMINATION FOR DIPHTHERIA SPECIMENS.

Positive	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17
Negative	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	168
Sterile...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
TOTAL...																	...	...	190

TABLE XX.—NUMBER OF BEDS AT ALL OPHTHALMIC HOSPITALS.

HOSPITAL										FIRST	SECOND	THIRD
No. 1 Travelling	...	...	...	...	...	...	...	...	...	—	—	30
" 2	"	...	...	...	...	...	...	...	...	—	—	20
" 3	"	...	...	...	...	...	...	...	...	—	—	20
" 4	"	...	...	...	...	...	...	...	...	—	—	20
" 5	"	...	...	...	...	...	...	...	...	—	—	20
" 6	"	...	...	...	...	...	...	...	...	—	—	20
" 7	"	...	...	...	...	...	...	...	...	—	—	20
" 8	"	...	...	...	...	...	...	...	...	—	—	20
" 9	"	...	...	...	...	...	...	...	...	—	—	20
" 10	"	...	...	...	...	...	...	...	...	—	—	20
" 11	"	...	...	...	...	...	...	...	...	—	—	20
Tanta	...	...	...	...	...	...	...	...	...	—	—	43
Asyût	...	...	...	...	...	...	...	...	...	1	—	55
Mansûra	...	...	...	...	...	...	...	...	...	—	—	78
Bani Suef	...	...	...	...	...	...	...	...	...	—	—	25
Zagazîg	...	...	...	...	...	...	...	...	...	—	—	36
Damanhûr	...	...	...	...	...	...	...	...	...	—	—	31
Shibîn el Kôm	...	...	...	...	...	...	...	...	...	—	—	27
Sohâg	...	...	...	...	...	...	...	...	...	—	—	23
Minya	...	...	...	...	...	...	...	...	...	—	—	25
Faiyûm	...	...	...	...	...	...	...	...	...	—	—	10
Banha	...	...	...	...	...	...	...	...	...	—	—	24
Alexandria	...	...	...	...	...	...	...	...	...	—	—	45
Port Said	...	...	...	...	...	...	...	...	...	2	4	42
Qena	...	...	...	...	...	...	...	...	...	—	—	31
Damietta	...	...	...	...	...	...	...	...	...	—	—	35
Gîza	...	...	...	...	...	...	...	...	...	—	—	77
Suez	...	...	...	...	...	...	...	...	...	—	—	25
Mallawi	...	...	...	...	...	...	...	...	...	—	—	9
Mît Ghamr	...	...	...	...	...	...	...	...	...	—	—	10
Maghagha	...	...	...	...	...	...	...	...	...	—	—	10
Fikriya	...	...	...	...	...	...	...	...	...	—	—	13
Asswân	...	...	...	...	...	...	...	...	...	—	—	23
Rod el Farag	...	...	...	...	...	...	...	...	...	2	4	100
Taieba	...	...	...	...	...	...	...	...	...	—	—	8
Esna	...	...	...	...	...	...	...	...	...	—	—	24
Disûk	...	...	...	...	...	...	...	...	...	—	—	8
Demerdash	...	...	...	...	...	...	...	...	...	—	—	16
Matarîya	...	...	...	...	...	...	...	...	...	—	—	23
Santa	...	...	...	...	...	...	...	...	...	—	—	10
Gharbiya Provincial Council Travelling Ophthalmic Hospital	...	...	...	...	...	...	...	...	...	—	—	10
Daqahlîya Provincial Council Travelling Ophthalmic Hospital	...	...	...	...	...	...	...	...	...	—	—	12
Luxor	...	...	...	...	...	...	...	...	...	—	—	25
Rasheed	...	...	...	...	...	...	...	...	...	—	—	10
Fakous	...	...	...	...	...	...	...	...	...	—	—	8
Girga	...	...	...	...	...	...	...	...	...	—	—	8
Ashmoun	...	...	...	...	...	...	...	...	...	—	—	8
TOTAL										5	8	1,197



TABLE XXI.—COST OF UNIFORM DIETS FOR THE IN-PATIENTS OF THE OPHTHALMIC HOSPITALS  
DURING 1932, EXCLUDING COST OF RATIONS FOR EMPLOYÉS.

HOSPITALS (1)	Number of Diets issued	Total Cost (2)	Cost per Head per Day
		L.E.	Mills.
No. 3 T.O.H.—Edfû, Kom Ombo and Daraw ... ..	5,019	90	17·92
No. 6 T.O.H.—Tala and El shouhada ... ..	6,486	134	20·62
Bani Suef ... ..	8,460	175	20·65
Damanhûr ... ..	10,445	225	21·59
Tanta ... ..	14,596	323	22·10
Mansûra ... ..	25,296	562	22·24
Qena ... ..	9,872	223	22·64
Banha ... ..	8,467	192	22·66
Asyût ... ..	19,935	454	22·79
No. 1 T.O.H.—Citadel ... ..	10,513	242	23·00
Zagazîg ... ..	12,854	299	23·28
Minya ... ..	8,587	205	23·85
Rod el Farag ... ..	36,803	879	23·88
Port Said ... ..	14,832	361	24·32
No. 9 T.O.H.—Hawamdîya and Ousiem ... ..	7,046	172	24·42
Sohâg ... ..	7,066	176	24·88
No. 5 T.O.H.—Baliana ... ..	7,167	180	25·11
Giza ... ..	26,726	673	25·18
Maghagha ... ..	4,228	109	25·68
No. 4 T.O.H.—Ismailîya and Bilbeis ... ..	5,772	151	28·14
Shibin el Kôm ... ..	9,699	255	26·25
Matariya ... ..	9,581	252	26·35
Gharbîya Travelling—Kafr el Sheikh, Sherbin and Zifta ...	2,572	68	26·44
Faiyûm ... ..	3,446	92	26·60
No. 7 T.O.H.—Sannouris and Wasta ... ..	7,151	192	26·92
Daqahliya Travelling—Simbillawein and Aga (3) ... ..	2,724	75	27·53
No. 8 T.O.H.—Bani Mazar and Samallout ... ..	6,352	179	28·15
Ashmoun ... ..	1,163	33	28·27
No. 11 T.O.H.—Barrage and Shebin el Kanater ... ..	5,344	152	28·45
Santa ... ..	3,289	95	28·76
No. 2 T.O.H.—Abul Matamîr and el Mahmoudia... ..	5,394	159	29·46
No. 10 T.O.H.—Naga Hammadi ... ..	7,544	255	33·77
TOTAL... ..	314,402	7,632	24·27

(1) Excluding Ophthalmic Branches at General Hospitals.

(2) Fuel excluded.

(3) Diets were bought locally.

*Scale of Full Diet as given to all In-patients at all Ophthalmic Hospitals.*

	Grammes.
Bread ... ..	600
Beef ... ..	150
Vegetables ... ..	150
Lentils... ..	75
Rice ... ..	75
Milk ... ..	200
Native butter ( <i>Samna Baladi</i> ) ... ..	15
Sugar ... ..	30
Salt ... ..	20

TABLE XXII.—SOURCES OF PROVISION OF OPHTHALMIC HOSPITALS.

HOSPITALS	Date at which opened	Government Grant	Public Subscription or Private Charity	Grant of Provincial Councils or Municipalities
		L.E.	L.E.	L.E.
No. 1 Travelling (retained at Cairo for provision of clinical facilities for teaching)	1904	—	1,000	—
No. 2 Travelling ... ..	1905	—	1,000	—
Tanta ... ..	1908	8,463	—	—
Asyût ... ..	1911	8,817 and site	5,004	—
Mansûra ... ..	1912	—	5,000	—
Bani Suef ... ..	1912	—	4,000	—
Asyût Travelling ... ..	1912	—	—	720
Zagazîg ... ..	1913	—	—	4,288
Mahalla el Kubra... ..	1913	—	—	2,400
Kafr el Zaiyât ... ..	1913	—	—	2,200
Daqahliya Travelling ... ..	1913	—	—	720
Damanhûr ... ..	1914	—	—	5,000
Shibîn el Kôm ... ..	1914	—	5,422	—
Sohâg ... ..	1914	960	4,000	—
Minya ... ..	1915	—	—	5,500
Santa ... ..	1915	—	—	2,600
Faiyûm ... ..	1916	Site	—	4,000
No. 3 Travelling ... ..	1918	—	—	1,500
Banha ... ..	1920	—	14,000	—
Alexandria (Oph. Branch) ...	1920	Annexed to General Hospital		
Port Said... ..	1921	18,620	—	1,000
Qena... ..	1923	—	12,400	2,800
		{ 1,000	240	—
Damietta (Oph. Branch) ...	1923	Annexed to General Hospital		
"Fouad I" Oph. H., Gîza ...	1924	3,000 and site	8,668	600
Suez (Oph. Branch) ... ..	1924	Annexed to General Hospital		
No. 4 Travelling ... ..	1925	2,000	—	—
No. 5 " ... ..	1925	2,000	—	—
Menûf ... ..	1925	—	—	950
Ashmûn ... ..	1925	—	—	950
Memorial Ophthalmic Labo- ratory, Gîza ... ..	1925	2,000	6,600	—
Barrîm (Oph. Branch)... ..	1926	{ Annexed to General Hospital		
Mallawi ( " " ) ... ..	1926	{		
No. 6 Travelling ... ..	1927	2,280	—	—
No. 7 " ... ..	1927	2,280	—	—
Mit Ghamr (Oph. Branch)...	1927	Annexed to General Hospital		
Gharbiya Travelling ... ..	1927	—	—	1,500
Maghagha ... ..	1927	—	1,000	5,000
No. 8 Travelling ... ..	1928	2,500	—	—
No. 9 " ... ..	1928	2,500	—	—
No. 10 " ... ..	1928	2,500	—	—
Fikriya (Oph. Branch)... ..	1928	Annexed to General Hospital		
No. 11 Travelling ... ..	1928	2,500	—	—
Asswân (Oph. Branch)... ..	1929	6,450	Annexed to General Hospital	
"Princess Fawkiya" (Oph. Hosp.) Rod el Farag... ..	1929	25,000	—	—
Taieba (Oph. Branch) ... ..	1929	{		
Esna (Oph. Branch) ... ..	1929	{ Annexed to General Hospital		
Disûk (Oph. Branch) ... ..	1930	{		
Demerdash (Oph. Branch) ...	1931	{		
Luxor (Oph. Branch) ... ..	1931	{		
Matariya ... ..	1931	11,000	—	Site
Rasheed (Oph. Branch) ... ..	1932	{ Annexed to General Hospital		
Fakous ( " " ) ... ..	1932	{		
Girga ( " " ) ... ..	1932	{		
TOTAL ... ..		103,870	68,334	41,726



TABLE XXIII.—ACTUAL EXPENDITURE 1932.—(A) GENERAL ADMINISTRATION.

CHAPTER																	Expenditure
																	L.E.
Pensionable Staff	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5,631
Hors Cadre Staff	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	388
Transport, Transfer and Travelling Allowance	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	412
Telephones	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	— } *
Telegraphs	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
TOTAL																	6,431

\* Included in the general expenditure of the various units of the whole Department.

TABLE XXIV.—ACTUAL EXPENDITURE 1932.—(B) GOVERNMENT OPHTHALMIC HOSPITALS.

CHAPTER																	Total Actual Expenditure
																	L.E.
Pensionable Staff	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25,545
Hors Cadre Staff	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18,515
Transport, Transfer and Travelling Allowance	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,933
Food	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10,108
Forage	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	62
Water	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	955
Light	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	488
Disposal of Sewage	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	155
Heating	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	362
Rent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	59
Telegrams and Telephones	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	170
<i>Stores :—</i>																	
General Equipment	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5,832
Surgical	„	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	385
„ Instruments	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,312
Drugs	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3,012
Dressings	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,056
Transport of Stores	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	400
Petty Expenses	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	368
TOTAL																	70,717 *

\* Excluding repairs, being omitted as the credit is at the disposal of the Public Works Ministry.



TABLE XXV.—ACTUAL EXPENDITURE 1932, GOVERNMENT OPHTHALMIC HOSPITALS (per Unit).

Hospitals													L.E.
No. 1	T.O.H.	...	...	...	...	...	...	...	...	...	...	...	3,018
" 2	"	...	...	...	...	...	...	...	...	...	...	...	1,332
" 3	"	...	...	...	...	...	...	...	...	...	...	...	1,386
" 4	"	...	...	...	...	...	...	...	...	...	...	...	1,881
" 5	"	...	...	...	...	...	...	...	...	...	...	...	1,646
" 6	"	...	...	...	...	...	...	...	...	...	...	...	1,608
" 7	"	...	...	...	...	...	...	...	...	...	...	...	1,703
" 8	"	...	...	...	...	...	...	...	...	...	...	...	1,713
" 9	"	...	...	...	...	...	...	...	...	...	...	...	1,556
" 10	"	...	...	...	...	...	...	...	...	...	...	...	1,509
" 11	"	...	...	...	...	...	...	...	...	...	...	...	1,473
Tanta ...	...	...	...	...	...	...	...	...	...	...	...	...	2,513
Asyût	...	...	...	...	...	...	...	...	...	...	...	...	2,849
Mansûra	...	...	...	...	...	...	...	...	...	...	...	...	2,997
Bani Suef	...	...	...	...	...	...	...	...	...	...	...	...	1,961
Zagazîg	...	...	...	...	...	...	...	...	...	...	...	...	1,757
Damanhûr	...	...	...	...	...	...	...	...	...	...	...	...	1,795
Shibîn el Kôm	...	...	...	...	...	...	...	...	...	...	...	...	2,160
Sohâg	...	...	...	...	...	...	...	...	...	...	...	...	2,063
Minya	...	...	...	...	...	...	...	...	...	...	...	...	2,021
Faiyûm	...	...	...	...	...	...	...	...	...	...	...	...	1,971
Banha	...	...	...	...	...	...	...	...	...	...	...	...	2,106
Alexandria Branch and Schools	...	...	...	...	...	...	...	...	...	...	...	...	603
Port Said	...	...	...	...	...	...	...	...	...	...	...	...	2,201
Qena	...	...	...	...	...	...	...	...	...	...	...	...	1,721
Damietta Branch	...	...	...	...	...	...	...	...	...	...	...	...	538
Gîza	...	...	...	...	...	...	...	...	...	...	...	...	6,856
Suez Branch	...	...	...	...	...	...	...	...	...	...	...	...	645
Barrîm Branch	...	...	...	...	...	...	...	...	...	...	...	...	459
Mallawi Branch	...	...	...	...	...	...	...	...	...	...	...	...	455
Mit Ghamr Branch	...	...	...	...	...	...	...	...	...	...	...	...	668
Maghagha	...	...	...	...	...	...	...	...	...	...	...	...	1,515
Fikrîya Branch	...	...	...	...	...	...	...	...	...	...	...	...	717
Asswân Branch	...	...	...	...	...	...	...	...	...	...	...	...	708
Rod el Farag	...	...	...	...	...	...	...	...	...	...	...	...	4,781
Taieba Branch...	...	...	...	...	...	...	...	...	...	...	...	...	464
Esna Branch	...	...	...	...	...	...	...	...	...	...	...	...	502
Disûk Branch	...	...	...	...	...	...	...	...	...	...	...	...	381
Demerdash Branch	...	...	...	...	...	...	...	...	...	...	...	...	228
Luxor Branch	...	...	...	...	...	...	...	...	...	...	...	...	492
Matariya	...	...	...	...	...	...	...	...	...	...	...	...	1,106
Rasheed Branch	...	...	...	...	...	...	...	...	...	...	...	...	553
Fakous Branch	...	...	...	...	...	...	...	...	...	...	...	...	578
Girga Branch...	...	...	...	...	...	...	...	...	...	...	...	...	320
Cairo Schools	...	...	...	...	...	...	...	...	...	...	...	...	1,208
TOTAL													70,717

*N.B.*—Expenditures of Ophthalmic Branches do not include Stores Supplies which form part of General Hospitals Expenditures.

TABLE XXVI—ACTUAL EXPENDITURE 1932, PROVINCIAL  
COUNCIL OPHTHALMIC HOSPITALS (per Unit).

	L.E.
<i>Gharbîya Provincial Council :—</i>	
Mahalla el Kubra ... ..	718
Kafr el Zaiyât ... ..	766
Santa ... ..	854
Travelling Hospital ... ..	918
<i>Asyût Provincial Council :—</i>	
Travelling Hospital ... ..	532
<i>Daqahlîya Provincial Council :—</i>	
Travelling Hospital ... ..	820
<i>Menûfiya Provincial Council :—</i>	
Menûf ... ..	551
Ashmûn ... ..	585

TABLE XXVII.—COMPARISON OF THE COST OF MAINTENANCE OF A PERMANENT  
OPHTHALMIC HOSPITAL IN 1914 AND 1932.

	Number	1914	TOTAL	Number	1932	TOTAL		
		L.E.	L.E.		L.E.	L.E.		
ART. 1.—Salaries, Wages, and Allowances :—								
A.—Pensionable Staff :—								
Medical Officer ... ..	2	336	396	2	288	378		
Clerk ... ..	1	60		1	90			
	3			3				
B.—Hors Cadre Staff :—								
Moawin ... ..	1	48	276	1	60	378		
Chief attendant ... ..	1	36		2	72			
Attendants (male)...	2	42		2	48			
(female) ... ..	2	36		2	36			
Cook ... ..	1	24		1	42			
Sai ... ..	1	18		1	24			
Gardener ... ..	—	—		1	24			
Boab ... ..	1	18		1	24			
Subordinate staff ... ..	3	54		2	48			
	12				13			
C.—Allowances... ..								
		72		72			—	—
ART. 2.—Transport, Transfer and Travelling Allowance :—								
Transport ... ..	}	50	50	}	40	40		
Transfer ... ..								
Travelling allowance...								
ART. 3.—Food ... ..								
			139			318		
ART. 5.—Rent, Water, Lighting, etc. :—								
Water ... ..		30	102		50	80		
Lighting ... ..		40			30			
Heating ... ..		20		*	—			
Sewage ... ..		12		*	—			
ART. 6.—Books and Periodicals ... ..								
			1			* —		
ART. 7.—Telegrams and Telephones :—								
Telegrams ... ..	}	9	9	9		9		
Telephones ... ..								
ART. 8.—Petty Expenses ... ..								
			12			15		
ART. 11.—Stores ... ..								
			300			400		
TOTAL ... ..								
			1,357			1,618		

\* No special Grant for Ophthalmic Hospitals, the Grants being for the whole Department.

## Statistics of Ophthalmic Treatment in Schools, 1932-1933

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Ophthalmic treatment has been carried out at the primary Government schools of Tanta, Asyût, Mansûra, Bani Suef, Zagazîg, Damanhûr, Shibîn el Kôm, Suhâg, Minya, Faiyûm, Gîza, Banha, Moharram Bey and Râs el Tîn at Alexandria, Abbâssîya, Mohammad Aly, Munîra, Mohammediya, Gamalîya, Abbas, Bab el Shaariya, Shubra, Abdîn, Kerabîya, Nasrîya and Nahhassîn at Cairo, Qena, Port Saïd, Damietta, Suez, Asswân and Esna.

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TABLE I (a).—CONDITION OF CONJUNCTIVA (Beginning of the Year).

SCHOOLS	No Trachoma	TRACHOMA				TOTAL
		I.	II.	III.	IV.	
Tanta ... ..	51	44	43	95	176	409
Per cent ... ..	12·47	10·76	10·51	23·23	43·03	
Asyût ... ..	11	176	142	45	73	447
Per cent ... ..	2·46	39·37	31·77	10·07	16·33	
Mansûra ... ..	—	108	40	64	345	557
Per cent ... ..	—	19·39	7·18	11·49	61·94	
Bani Suef ... ..	21	33	50	121	119	344
Per cent ... ..	6·10	9·59	14·54	35·17	34·59	
Zagazîg ... ..	17	34	40	89	201	381
Per cent ... ..	4·46	8·92	10·50	23·36	52·75	
Damanhûr ... ..	13	30	29	147	66	285
Per cent ... ..	4·56	10·53	10·17	51·57	23·17	
Shibîn el Kôm ... ..	2	30	15	28	49	124
Per cent ... ..	1·61	21·19	12·10	22·58	39·51	
Sohâg ... ..	7	67	46	85	54	259
Per cent ... ..	2·70	25·87	17·76	32·82	20·85	
Minya ... ..	22	11	24	55	74	186
Per cent ... ..	11·83	5·91	12·90	29·57	39·78	
Faiyûm ... ..	4	3	23	104	99	233
Per cent ... ..	1·72	1·29	9·87	44·63	42·49	
Gîza ... ..	—	92	34	130	129	385
Per cent ... ..	—	23·89	8·83	33·77	33·51	
Banha ... ..	13	1	52	17	96	179
Per cent ... ..	7·26	0·56	29·05	9·50	53·63	
Moharram Bey ... ..	—	15	20	9	120	164
Per cent ... ..	—	9·15	12·19	5·49	73·17	
Râs el Tîn ... ..	—	72	65	33	360	530
Per cent ... ..	—	13·58	12·26	6·23	67·92	
Abbâssiya ... ..	—	75	89	162	130	456
Per cent ... ..	—	16·45	19·52	35·52	28·51	
Mohammad Aly ... ..	9	167	57	176	89	498
Per cent ... ..	1·81	33·53	11·45	35·34	17·87	
Abbâs ... ..	5	173	93	91	114	476
Per cent ... ..	1·05	36·34	19·54	19·12	23·95	
Shubra ... ..	16	203	43	211	246	719
Per cent ... ..	2·22	28·23	5·98	29·35	34·21	
Bab el Shaariya ... ..	3	85	46	68	58	260
Per cent ... ..	1·15	32·69	17·69	26·15	22·31	
Gamaliya ... ..	—	25	35	67	84	211
Per cent ... ..	—	11·85	16·59	31·75	39·81	
Nahhassîn ... ..	—	34	50	41	98	223
Per cent ... ..	—	15·25	22·42	18·38	43·95	
Nasriya ... ..	1	38	9	31	50	129
Per cent ... ..	0·77	29·46	6·98	24·03	38·76	
Munîra ... ..	17	289	34	68	89	497
Per cent ... ..	3·42	58·15	6·84	13·68	17·91	
Abdîn ... ..	7	125	53	78	183	446
Per cent ... ..	1·57	28·03	11·88	17·49	41·03	
Qerabiya ... ..	5	149	56	98	32	340
Per cent ... ..	1·48	43·82	16·47	28·82	9·41	
Mohammadiya ... ..	30	121	16	135	203	505
Per cent ... ..	5·94	23·96	3·17	26·73	40·20	
Port Said ... ..	3	165	42	42	67	319
Per cent ... ..	0·94	51·72	13·17	13·17	21·00	
Qena ... ..	3	97	35	36	41	212
Per cent ... ..	1·41	45·76	16·51	16·98	19·34	
Damietta ... ..	21	29	21	34	165	270
Per cent ... ..	7·78	10·74	7·78	12·59	61·11	
Suez ... ..	6	37	24	99	89	255
Per cent ... ..	2·35	14·51	9·41	38·82	34·90	
Asswân ... ..	—	33	70	23	20	146
Per cent ... ..	—	22·60	47·94	15·75	13·70	
Esna ... ..	—	21	56	79	17	173
Per cent ... ..	—	12·14	32·37	43·66	9·83	
TOTAL ... ..	287	2,582	1,452	2,561	3,736	10,618
Per cent ... ..	2·70	24·32	13·67	24·12	33·18	

TABLE I (b).—CONDITION OF CONJUNCTIVA (End of the Year).

SCHOOL	No Trachoma	TRACHOMA				TOTAL
		I.	II.	III.	IV.	
Tanta ... ..	21	40	77	105	203	376
Per cent ... ..	5.58	10.64	1.86	27.92	53.99	
Asyût ... ..	9	116	25	161	126	437
Per cent ... ..	2.06	26.54	5.72	36.84	28.83	
Mansûra ... ..	—	3	—	101	414	518
Per cent ... ..	—	0.58	—	19.50	79.92	
Bani Suef ... ..	20	28	3	157	111	319
Per cent ... ..	6.27	8.78	0.94	49.22	34.79	
Zagazîg ... ..	17	12	—	94	238	361
Per cent ... ..	4.70	3.33	—	26.04	65.93	
Damanhûr ... ..	12	9	—	171	78	270
Per cent ... ..	4.44	3.33	—	63.33	28.89	
Shibîn el Kôm ... ..	2	25	2	30	56	115
Per cent ... ..	1.74	21.74	1.74	26.09	48.69	
Sohâg ... ..	5	5	6	136	100	252
Per cent ... ..	1.98	1.98	2.38	53.97	39.68	
Minya ... ..	22	1	—	42	121	186
Per cent ... ..	11.83	0.54	—	22.58	65.05	
Faiyûm ... ..	7	1	1	95	113	217
Per cent ... ..	3.22	0.46	0.46	43.78	52.07	
Gîza ... ..	—	83	1	137	147	368
Per cent ... ..	—	22.55	0.27	37.23	39.94	
Banha ... ..	15	—	1	44	109	169
Per cent ... ..	8.87	—	0.60	26.03	64.50	
Moharram Bey ... ..	2	1	2	26	131	162
Per cent ... ..	1.23	0.62	1.23	16.05	80.86	
Râs el Tîn ... ..	3	—	2	96	429	530
Per cent ... ..	0.57	—	0.38	18.11	80.94	
Abbâssiya ... ..	—	7	1	234	202	444
Per cent ... ..	—	1.58	0.22	52.70	45.49	
Mohammad Aly ... ..	9	143	25	222	99	498
Per cent ... ..	1.81	28.71	5.02	44.58	19.88	
Abbâs ... ..	2	235	—	86	145	468
Per cent ... ..	0.43	50.21	—	18.38	30.98	
Shubra ... ..	17	183	37	135	307	679
Per cent ... ..	2.50	26.95	5.45	19.88	45.21	
Bab el Shaariya ... ..	3	67	11	107	60	248
Per cent ... ..	1.21	27.02	4.43	43.14	24.19	
Gamaliya ... ..	—	7	2	96	96	201
Per cent ... ..	—	3.48	0.99	47.76	47.76	
Nahhassîn ... ..	—	6	6	90	107	209
Per cent ... ..	—	2.87	2.87	43.08	51.20	
Nasriya ... ..	—	85	—	17	18	120
Per cent ... ..	—	70.83	—	14.17	15.00	
Munîra ... ..	16	279	17	57	115	484
Per cent ... ..	3.30	57.64	3.51	11.78	23.76	
Abdîn ... ..	7	118	11	72	210	418
Per cent ... ..	1.67	28.23	2.63	17.22	50.24	
Qerabiya ... ..	3	143	6	106	73	331
Per cent ... ..	0.91	43.20	1.81	32.02	22.05	
Mohammadiya ... ..	29	80	—	153	237	499
Per cent ... ..	5.81	16.03	—	30.66	47.49	
Port Said ... ..	3	76	4	93	127	303
Per cent ... ..	0.99	25.08	1.32	30.69	41.91	
Qena ... ..	3	27	1	86	87	204
Per cent ... ..	1.47	13.23	0.49	42.16	42.65	
Damietta ... ..	19	4	1	49	185	258
Per cent ... ..	7.36	1.55	0.39	18.99	71.70	
Suez ... ..	6	—	—	145	94	245
Per cent ... ..	2.45	—	—	59.18	38.37	
Asswân ... ..	—	69	3	48	21	141
Per cent ... ..	—	48.94	2.13	34.04	14.89	
Esna ... ..	—	23	39	88	19	169
Per cent ... ..	—	13.61	23.08	52.07	11.24	
TOTAL ... ..	252	1,876	214	3,279	4,578	10,199
Per cent ... ..	2.47	18.39	2.10	32.15	44.88	



TABLE II *a*.—EFFECT OF TREATMENT ON SERIOUS STAGES OF TRACHOMA.

YEAR.	BEGINNING OF THE YEAR			END OF THE YEAR	
	Pupils with any Stage of Trachoma	Pupils with serious Stages of Trachoma I and II		Pupils with serious Stages of Trachoma I and II	
	No.	No.	Per Cent	No.	Per Cent
1907-1908 ... ..	464	289	62.3	—	—
1914-1915 ... ..	1,553	342	22.0	61	4.0
1916-1917 ... ..	1,528	327	21.4	48	3.0
1917-1918 ... ..	1,699	282	16.6	71	4.2
1919-1920 ... ..	2,454	410	16.7	201	8.2
1920-1921 ... ..	3,363	643	19.1	290	8.6
1921-1922 ... ..	5,036	1,369	27.2	580	11.5
1922-1923 ... ..	6,140	1,982	32.3	892	14.5
1923-1924 ... ..	6,820	2,115	31.0	835	12.2
1924-1925 ... ..	7,107	2,442	34.4	722	10.2
1925-1926 ... ..	7,337	1,865	25.4	374	5.1
1926-1927 ... ..	9,053	2,160	23.9	582	6.4
1927-1928 ... ..	12,057	2,819	23.4	830	6.9
1928-1929 ... ..	11,319	2,624	23.2	722	6.4
1929-1930 ... ..	11,223	2,397	30.2	919	8.4
1930-1931 ... ..	10,793	2,893	26.8	877	8.1
1931-1932 ... ..	10,707	4,576	42.7	1,750	16.3
1932-1933 ... ..	10,331	4,031	39.1	2,090	20.2

TABLE II *b*.—STAGES OF TRACHOMA AT BEGINNING AND END OF SCHOOL YEAR.

STAGES OF TRACHOMA						BEGINNING OF THE YEAR		END OF THE YEAR	
						No.	Per Cent	No.	Per Cent
Trachoma	I	...	...	...	...	2,582	25.00	1,876	18.86
„	II	...	...	...	...	1,452	14.05	214	2.15
„	III	...	...	...	...	2,561	24.79	3,279	32.96
„	IV	...	...	...	...	3,736	36.16	4,578	46.02





TABLE III *b*.—COMPARISON OF SERIOUS STAGES OF TRACHOMA I and II (Beginning of the Year).

CLASS	Total Number of Pupils	Total Number of serious Stages of Tra- choma I and II	Per Cent
First Year ... ..	2,445	1,424	58.08
Second Year ... ..	2,692	1,034	34.91
Third Year... ..	2,961	920	31.07
Fourth Year ... ..	2,520	656	26.03

TABLE IV.—NUMBER OF PUPILS ORDERED SPECTACLES NOT GREATER IN STRENGTH THAN  $\pm 6$  DIOPTRES AND BY THEIR USE GOT GOOD OR FAIR VISION.

	TOTAL	GRAND TOTAL	* Per Cent
<i>Good Vision :—</i>			
(a) Normal vision in each eye 6/6 and 6/6 ... ..	35		
(b) Vision 6/6 and 6/9, or 6/9 and 6/9, ... ..	92	127	24.85
<i>Fair Vision :—</i>			
(a) Vision 6/6 and 6/12, or 6/9 and 6/12, or 6/12 and 6/12 ... ..	143		
(b) Vision 6/6 and 6/18 ... ..	17	160	31.70

\* The percentage is taken in relation to the number of all pupils ordered spectacles (*i.e.* 511) see table V.

TABLE V.—SPECTACLES ORDERED.

Schools	Number of pupils now attending obtai- ned spectacles in previous years	Number of pupils now attending obtained spectacles this year	Number of pupils now attending ordered spectacles but not yet obtained	Total	Spectacles on order or under repair	Number of pupils wearing spectacles on date of final inspection	Net number not wearing spectacles which were previ- ously ordered
Tanta ... ..	22	6	—	28	—	28	—
Asyût ... ..	15	4	1	20	1	19	—
Mansoura ... ..	10	7	—	17	—	17	—
Beni Suef ... ..	8	1	—	9	—	7	2
Zagazig ... ..	16	6	—	22	—	22	—
Damanhûr ... ..	4	2	—	6	—	6	—
Shebin el Kom ... ..	8	6	—	14	—	14	—
Sohâg ... ..	20	4	—	24	—	24	—
Minya ... ..	11	—	—	11	—	11	—
Faiyûm ... ..	15	5	—	20	—	20	—
Giza... ..	28	5	—	33	—	32	1
Benha ... ..	5	2	1	8	1	6	1
Moharram Bey ... ..	7	2	—	9	—	9	—
Ras el Tin ... ..	23	2	1	26	1	25	—
Abbassia ... ..	10	2	1	13	1	12	—
Mohammed Ali ... ..	10	1	—	11	—	11	—
Munira ... ..	8	4	—	12	—	12	—
Mohammadia ... ..	19	5	—	24	—	19	5
Gamalia ... ..	10	4	—	14	—	14	—
Abbass ... ..	23	5	—	28	—	28	—
Bab el Sha'riya ... ..	8	1	—	9	—	9	—
Shubra ... ..	31	4	—	35	—	22	13
Abdîn ... ..	7	6	—	13	—	13	—
Qerabia ... ..	17	9	—	26	—	26	—
Nasria ... ..	5	1	—	6	—	6	—
Nahh-sin ... ..	6	6	—	12	—	12	—
Qena ... ..	6	4	—	10	—	10	—
Port Said ... ..	13	7	—	20	—	20	—
Damietta ... ..	10	4	—	14	—	14	—
Suez... ..	5	3	—	8	—	8	—
Aswân ... ..	5	—	—	5	—	5	—
Esna ... ..	4	—	—	4	—	2	2
TOTAL ... ..	389	118	4	511	4	483	24

TABLE VI.—VISION OF ALL PUPILS WITHOUT SPECTACLES

	TOTAL	GRAND TOTAL	Per Cent
Good Vision :—			
(a) Normal vision in each eye 6/6 and 6/6 ... ..	2,176		
(b) Vision 6/6 and 6/9, or 6/9 and 6/9 ... ..	3,755		
		5,931	55·86
Fair Vision :—			
(a) Vision 6/6 and 6/12, or 6/9 and 6/12, or 6/12 and 6/12... ..	2,048		
(b) Vision 6/6 and 6/18... ..	216		
		2,284	21·32
Bad Vision :—			
(a) Fails to attain any of the above standards ... ..	2,423	2,423	22·82
TOTAL ... ..	10,618	10,618	—

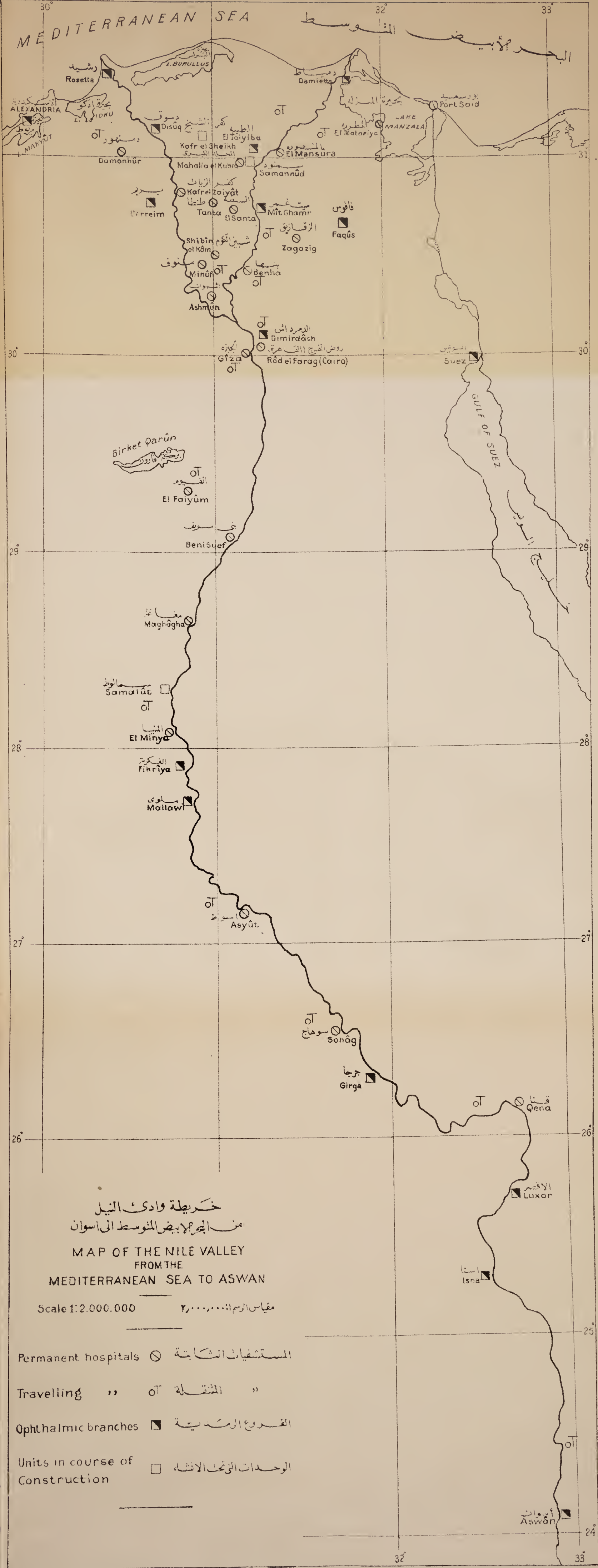


TABLE VII.—CONDITION OF CORNEA BEFORE TREATMENT.

SCHOOLS	Both Corneas clear	One Cornea clear the other showing Opacity	Opacity of both Corneas
Tanta ... ..	383	18	8
Asyût ... ..	402	25	20
Mansûra ... ..	527	24	6
Bani Suef ... ..	316	20	8
Zagazîg ... ..	345	20	16
Damanhûr ... ..	279	6	—
Shibîn el Kôm ... ..	113	8	3
Sohâg ... ..	239	14	6
Minya ... ..	178	6	2
Faiyûm ... ..	212	9	12
Gîza ... ..	367	15	3
Banha ... ..	153	19	7
Moharram Bey ... ..	162	2	—
Râs el Tîn... ..	519	9	2
Abbassiya ... ..	439	11	6
Mohammad Aly ... ..	447	29	22
Abbâs... ..	444	18	14
Shubra ... ..	705	14	—
Bab el Shaaria ... ..	218	22	20
Gamâlîya ... ..	139	15	7
Nabhassîn ... ..	207	11	5
Nasrîya ... ..	127	1	1
Munîra ... ..	486	8	3
Abdîn ... ..	428	11	7
Qerabîya ... ..	310	20	10
Mohammadiya ... ..	492	9	4
Port Said ... ..	311	4	4
Qena ... ..	183	20	9
Damietta ... ..	254	12	4
Suez ... ..	245	7	3
Asswân ... ..	135	9	2
Esna ... ..	145	18	10
TOTAL ... ..	9,960	434	224
Per cent ... ..	93.80	4.09	2.11

TABLE VIII.—COMPARISON OF CORNEAL OPACITY AMONG PUPILS OF TANTA PRIMARY SCHOOL IN THE YEARS 1914-1915 AND 1932-1933.

YEAR	Both Corneas Clear	One Cornea Clear, the other showing Opacity	Opacity of both Corneas
1914-1915	173	54	33
1932-1933	383	18	8

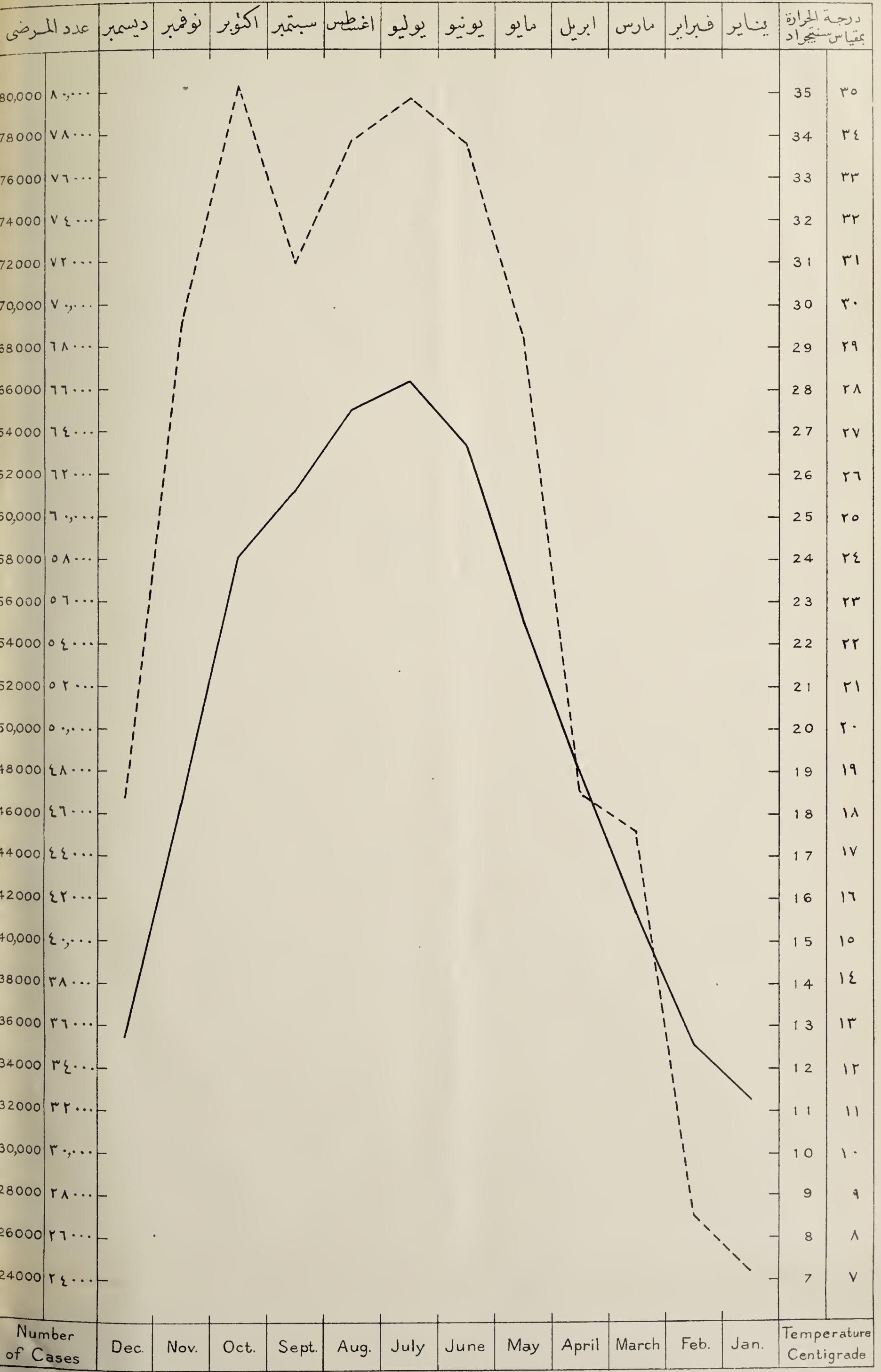






الطقس وعدد المرضى المستجدين الذين عولجوا

TEMPERATURE AND NUMBER OF NEW PATIENTS TREATED



Number of Cases      Dec.      Nov.      Oct.      Sept.      Aug.      July      June      May      April      March      Feb.      Jan.      Temperature Centigrade

Average Temperature in Degrees Centigrade..... درجة الحرارة بمقياس سنتيغراد

New Patients Treated per Month..... المرضى المستجدون الذين عولجوا شهرياً







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